	Application No.	Applicant(s)
Notice of Allowability	10/526,137	MUELLER, THOMAS
Notice of Allowability	Examiner	Art Unit
	Ida M. Soward	2822
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate committee (ORTS). This application is	n this application. If not included unication will be mailed in due course. THIS
1. 🛮 This communication is responsive to the Applicant's amen	dment filed July 18, 2007.	
2. The allowed claim(s) is/are <u>1-20</u> .		
 Acknowledgment is made of a claim for foreign priority una)	e been received. e been received in Application cuments have been receive of this communication to file	on No Id in this national stage application from the
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner Paper No./Mail Date	son's Patent Drawing Review s Amendment / Comment o	r in the Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT		
Attachment(s)	5 Nation of In	, .
 Notice of References Cited (PTO-892) Dotice of Draftperson's Patent Drawing Review (PTO-948) 		oformal Patent Application Summary (PTO-413),
 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 02/28/2005 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	Paper No. 7.	/Mail Date s Amendment/Comment s Statement of Reasons for Allowance
	5. <u>G</u> 5ther	IDA M. SOWARD PRIMARY EXAMINER

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DETAILED ACTION

This Office Action is in response to the Applicant's amendment filed July 18, 2007.

Allowable Subject Matter

Claims 1-20 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record does not disclose, make obvious, or otherwise suggest the structure of the applicant's together with the other limitations of the independent claims, such as:

In claim 1, "a Hall plate in the semiconductor substrate, the Hall plate comprising a first zone having a first conduction type; a second zone in the semiconductor substrate, the second zone having a second conduction type; a space-charge zone in the semiconductor substrate, the space-charge zone separating the first zone and the second zone; first contacts for supplying a control current to the first zone; and second contacts for supplying a compensation current to the second zone";

In claim 8, "a first zone having a first doping, the first zone carrying a compensation current; a second zone having a second doping, the second zone carrying a control current; a third zone having the first doping; a first separation zone that separates the first and second zones, the compensation current affecting a thickness of the first separation zone; and a second separation zone that separates the

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second and third zones, the control current affecting a thickness of the second separation zone"; and

In claim 15, "a first zone having a first doping, the first zone carrying a control current; a second zone having a second doping, the second zone carrying a compensation current; and a separation zone that separates the first and second zones, the control current and the compensation current keeping a thickness of the first zone and a thickness of the separation zone substantially constant".

The dependent claims being further limiting and definite are also allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following patents are cited to further show the state of the art with respect to Hall sensor structures:

Biard (5,572,058) Funaki et al. (5,548,151)

Johnson (5,652,445) McDowell et al. (US 2002/0186584 A1)

Popovic et al. (4,607,271) Popovic et al. (4,634,961)

Popovic et al. (4,673,964).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ida M. Soward whose telephone number is 571-272-1845. The examiner can normally be reached on Monday - Thursday 6:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zandra V. Smith can be reached on 571-272-2429. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

IMS

eptember 28, 2007

IDA M. SOWARD